***Reconstruction and Improvement of the General Employment Directorate Office***

***3rd floor, 53 Hincesti Str., Chisinau***

***Scope of Work List***

*General Construction Works*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Norm symbol and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Dismantling** |  |  |  |  |
| 1 | RpCO56A | Dismantling the of millwork items (doors) | m2 | 42.690 |  |  |
| 2 | RpCO56A | Dismantling the of millwork items, double glazing (windows) | m2 | 62.810 |  |  |
| 3 | RpCP45A | Dismantling of supporting metal elements and ventilation channels, metal doors, etc. | kg | 3105.000 |  |  |
| 4 | RpCO56C | Dismantling: prefabricated sound protection tiles | m2 | 101.000 |  |  |
| 5 | RpCO56B | Dismantling: suspended ceilings of the "Armstrong" type | m2 | 116.000 |  |  |
| 6 | RpCG29A | Demolition of the masonry walls built of bricks or gypsum  | m2 | 588.000 |  |  |
| 7 | RpCO56A | Dismantling: partitions of the stained glass type | m2 | 9.360 |  |  |
| 8 | TrI1AA02C2 | Loading of the A-Group materials - heavy, in piles by throwing - from the ramp or site, to the 2t category vehicles | t | 41.000 |  |  |
| 9 | TsI50A5 | Transportation of construction waste with 5t dump truck at a distance of 5 km  | t | 41.000 |  |  |
|  |  | **Total** |  | USD |
|  |  | **2. Partitions** |  |  |  |  |
| 10 | CD51C | Brick masonry, 250 x 120 x 65 type at the reinforced partitions with thickness of 1/2 brick, height up to 4 m  | 100m2 | 1.530 |  |  |
| 11 | CD72B | Gypsum plasterboard flat partitions, 75-125 mm in thickness on a simple metal housing with a gypsum plasterboard covered in a single layer on both sides with isolation, with the height up to 4 m | m2 | 66.000 |  |  |
| 12 | CK11B | Ready-made glass-cases mounted into a masonry walls of any type, with a surface between 7.5-10.0 m2 for constructions mounted at the height of up to 5 m inclusive, made of aluminum | m2 | 225.270 |  |  |
| 13 | CK11B | Ready-made glass-cases, mounted into a masonry walls of any type, with a surface between 7.5-10.0 m2. for constructions mounted at the height up to 5 m inclusive, made of aluminum (sliding) | m2 | 32.830 |  |  |
| 14 | CK11B | Ready-made glass-cases, mounted into a masonry walls of any type, with a surface between 7.5-10.0 m2. for constructions mounted at the height up to 5 m inclusive, made of aluminum (extensible) | m2 | 32.900 |  |  |
|  |  | **Total**  |  | USD |
|  |  | **3. Windows** |  |  |  |  |
| 15 | CK19A | Aluminum windows with one or more casements for constructions with the height up to 35 m inclusive, having the surface of the frame up to 3,00 m2. inclusive  | m2 | 16.950 |  |  |
| 16 | CK19B | Aluminum windows mounted with one or more casements for constructions with the height up to 35 m inclusive, having the surface of the frame between 3,00 and 6,00 m2. inclusive  | m2 | 112.500 |  |  |
| 17 | CK26A | Window jambs made of plastic, for the windows (Window sills) | m | 54.380 |  |  |
| 18 | CK26B | Sills for the aluminum window frames | m | 54.380 |  |  |
|  |  | **Total** |  | USD |
|  |  | **4. Doors** |  |  |  |  |
| 19 | CK21A | Doors made of aluminum shapes filled with the “sandwich-type panels” including the fitments and the accessories necessary for the doors mounted into the masonry walls of any type, for constructions with a height up to 35 m, inclusive, with one leaf, with the surface of the door frame up to 7 sq. m, inclusive  | m2 | 1.720 |  |  |
| 20 | CK03A | Interior wooden doors with a single leaf, with the door trims and the doors for the balcony, including water and thermal isolation of the door frame, mounted on the existing dowels, for constructions with the height up to 35 m  | m2 | 18.180 |  |  |
| 21 | CK07A | Sills up to 30 cm wide, mounted on wooden doors  | m | 97.370 |  |  |
| 22 | CK07B | Wooden trims mounted on doors  | m | 87.370 |  |  |
|  |  | **Total** |  | USD |
|  |  | **5. Floors** |  |  |  |  |
| 23 | CG08A | Floors made of plastic, mounted on an existing support, cleaned, including the PVC-made sills, in the sites with the surfaces larger than 16 m2., with PVC carpet glued with an adhesive compound (wear-resistant linoleum) | m2 | 133.080 |  |  |
| 24 | CG17D | Floors made of porcelain tiles including the supporting layer of adhesive mortar, made on surfaces: more than 16 m2 | m2 | 477.000 |  |  |
| 25 | CI14A | Porcelain skirtboards mounted on a glue  | m | 429.300 |  |  |
|  |  | **Total**  |  | USD |
|  |  | **6.1. Ceiling** |  |  |  |  |
| 26 | CK29F | Suspended ceilings made of prefabricated “Armstrong” panels, including the grill-system  | m2 | 594.000 |  |  |
|  |  | **Total**  |  | USD |
|  |  | **6.2. Walls** |  |  |  |  |
| 27 | CF02B | Interior plasterworks 2 cm thick, rubbed over, performed manually, on the walls or pillars, on flat surfaces covered with M 100-T type cement for the sprit, primer and visible layer, on the masonry walls or small concrete blocks | m2 | 242.250 |  |  |
| 28 | CF50B | Interior plasterworks of 5 mm in thickness, performed manually, using a dry gypsum-based mixture, on walls and partitions, manual preparation of mortar.  | m2 | 410.500 |  |  |
| 29 | CF57A | Manual application of basic “Eurofin” gypsum layer 1.0 mm in thickness on the surfaces of walls, columns and ceilings  | m2 | 410.500 |  |  |
| 30 | CN53A | Priming of interior surfaces of walls and ceilings with the “Supraton” primer | m2 | 410.500 |  |  |
| 31 | CN06A | Interior painting using the vinyl copolymers-based paint in washable liquid emulsion, applied in 2 layers on existing refloating, performed manually  | m2 | 410.500 |  |  |
| 32 | CI06C | Tiling with porcelain tiles, tiles of the same color, performed on flat surfaces of walls and pillars, including window sills and edges, with alternating joints, in the sites with the area of more than 10 m2., fixed with a tiling adhesive | m2 | 101.800 |  |  |
|  |  | **Total** |  | USD |
|  |  | **6.3.1. Access From The Interior Yard and From The Street, Shed** |  |  |  |  |
| 33 | CL17B | Diverse metal structures, apparently mounted: balustrade railing. | kg | 170.410 |  |  |
| 34 | CH06B | The current metal railing mounted on the supports 15 cm high, placed at a distance of 1....1.2 m with the small cross-sections, fixed in brick wall or concrete parapet, made of steel pipe d-1 1/4" and steel rod, on the right (exterior balustrade and stare-cases raining, as well as the elevator's interior, will be made upon an order out of stainless anodized steel, h=850mm, 700mm) as modular segments | m | 19.200 |  |  |
| 35 | CE40A | Installation of frame elements with antiseptic treatment - curb plates, bed timbers, racks, well-shafts, struts)  | m3 | 0.230 |  |  |
| 36 | CE30A | Roof deck for the covering or covering valleys made of roof tiles, “Eternit”-type tiles, etc., made of raw wood board planks (24 mm thick), for ordinary constructions. The norms of resources with the 0 (zero) value are calculated after the project. (Roof crates made of treated coniferous boards with a section of 100x40 mm = 1230 ppm = 4.92 m3 according to the project) | m2 | 15.000 |  |  |
| 37 | CE06A | The roof made of shaped sheets, whether-protected powder-coated, corrugated or wrinkled, mounted on the metal purling, carried out on the surfaces larger than 40 sq. m. with a shaped of corrugated sheets gripped with special hooks and mechanical screws of the upper talpa, including the execution of the valleys, grades, connections to chimneys, etc., (Roof made of shaped sheet LK20 with corrosion protection, waive-shaped or corrugated, with special hooks and steel screws fixing on metal linings, including wind strip = 24m, valleys = 32m2 and ridge elements = 72mp - color of the coating to be coordinated with the customer) | m2 | 15.000 |  |  |
| 38 | CE19A | Snow guards made of the zinc-coated steel sheet 0.5 mm thick, made on site, shifted one into other, at least 20 mm deep and glued together, including the corners, covers, attachment to drainage pipes pieces, spacers and fixing hooks, mounted at a length of 20 m (Snow guards; One piece length 2m - Total 46 pcs) | m | 3.000 |  |  |
| 39 | CL53L | Installation of ventilated facade system with tiling of the walls of the buildings and constructions with linear metal panels arranged vertically with a hidden fixation, on walls with curvilinear contour. - planking the main entrance canopy with the Etalbond | m2 | 13.00 |  |  |
| 40 | CE19A | Semi-circular gutters with d-12,5mm made of galvanized sheets, sheet with anticorrosion protection, 0.5 mm thick, joined by not less than 20 mm and welded, including corners, covers, connecting pipes of drainpipes, spacers and fixing hooks mounted along more than 20 m | m | 10.000 |  |  |
| 41 | CE21A |  Round drainage pipes with d-12.2 cm made of galvanized steel, sheet with anticorrosion protection, 0.5 mm thick, joined by not less than 60 mm and welded, fixed on the brickwork by galvanized steel holders, including corners and ejectors, installed along more than 20 m | m | 5.000 |  |  |
| 42 | IzD10A | Anticorrosion painting by hand brush of metallic garments and constructions with three layers of chlorinated rubber enamel, of metallic garments and constructions, made of shapes with thickness between 8 mm and 12 mm inclusive  | t | 0.170 |  |  |
| 43 | CI06C | Tiling with porcelain tiles, tiles of the same color, performed on flat surfaces of walls and pillars, including window sills and edges, with alternating joints, in the sites with the area of more than 10 m2., fixed with a tiling adhesive | m2 | 26.950 |  |  |
|  |  | **Total**  |  | USD |
|  |  | **6.3.2. Metal consumption for support elements**  |  |  |  |  |
| 44 | CH06B | Current mine from stainless steel (elevator, lift) | m | 8.200 |  |  |
|  |  | **Total**  |  | USD |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total direct expenditure* | USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total**  |  |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer |
| (title, signature, full name) |

L.S.

***Scope of Work List***

*Cold water / hot water supply system*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works. B1 Water System** |  |  |  |  |
| 1 | SD07A | Pass bibcock with faucet and socket, with or without discharge, for steel pipe, having a d-1/2" (Ball valve )  | units | 10.000 |  |  |
| 2 | SD07B | Pass bibcock with faucet and socket, with or without discharge, for steel pipe, having a d-3/4" (Ball valve )  | units | 1.000 |  |  |
| 3 | SA16A | Plastic pipe welded by a polifusion, in columns, at residential and social and cultural buildings, PPR d-20X2.8mm  | m | 12.000 |  |  |
| 4 | SA16B | Plastic pipe welded by a polifusion, in columns, at residential and social and cultural buildings, PPR D25х3.2mm  | m | 6.000 |  |  |
| 5 | SF01C | Performance of a pressure sealing test of the hot or cold water installations made of heavy-duty polyvinyl chloride pipe or plastic material, having a d-16-110 mm | m | 18.000 |  |  |
| 6 | RpIF09D | Isolation of pipes with special isolation tubes, placed over pipes, Armaflex AF-022 d22mm | m | 12.000 |  |  |
| 7 | RpIF09D | Isolation of pipes with special isolation tubes, placed pver pipes, Armaflex AF-028 d28mm | m | 6.000 |  |  |
| 8 | SA38C | Clamps for fixing water and gas supply pipes, made of steel or PVC, mounted by fastening tool, pipes having d-1" | units | 6.000 |  |  |
| 9 | IC12A | Steel pipe without welding or welded lengthwise for the constructions, installed by welding into the piping distribution system, in the central heating installation for residential buildings and social and cultural buildings, the pipe having a d-57x2.8 mm (K=1.4 for fittings) | m | 3.000 |  |  |
| 10 | IE03B | Performance of a pressure sealing test of the heating installations supply pipes (heaters, thermo convectors, skirting board radiators, etc.) having a diameter of 1 1/4"... 2" | m | 3.000 |  |  |
|  |  | **Total B1 System**  |  | USD |
|  |  | **2. Hydrants Installation** |  |  |  |  |
| 11 | SD17A | Interior hydrant for buildings, d-2", mounted in niches (with a frame) Fire hydrant d-50mm | units | 3.000 |  |  |
| 12 | SD17B | Interior hydrant for buildings, d-2", wall-mounted (with a box and a frame) Fire hydrant d-50mm (fire faucet d-50mm, fire hose L=20 m, fire hose nozzle RS-50, Hose connection socket GR-50, Coupling socket GM-50, Threaded-end socket ГЦ-50, Fire valve cabinet ШПК-320-Н) | units | 3.000 |  |  |
|  |  | **Total Hydrants-Related Works** |  | USD |
|  |  | **3. T3 Water System Installation Works** |  |  |  |  |
| 13 | SD07A | Pass bibcock with faucet and socket, with or without discharge, for steel pipe, having a diameter of 1/2" (Ball valve )  | units | 5.000 |  |  |
| 14 | SA16A | Plastic pipe welded by a polifusion, in columns, at residential and social and cultural buildings, PPR D20X2.8mm  | m | 13.000 |  |  |
| 15 | SA16B | Plastic pipe welded by a polifusion, in columns, at residential and social and cultural buildings, PPR D25х3.2mm  | m | 1.000 |  |  |
| 16 | SF01C | Performance of a pressure sealing test of the hot or cold water installations made of heavy-duty polyvinyl chloride pipe or plastic material, having a d-16-110 mm | m | 14.000 |  |  |
| 17 | RpIF09D | Isolation of pipes with special isolation tubes, placed over pipes, Armaflex AF-022 d22mm | m | 13.000 |  |  |
| 18 | RpIF09D | Isolation of pipes with special isolation tubes, placed pver pipes, Armaflex AF-028 d28mm | m | 1.000 |  |  |
| 19 | SE57A | Utility-type hot water boiler, operating with heat water of 70-90 degrees C, having a capacity of up to 1000l  | units | 1.000 |  |  |
|  |  | **Total T3 Water System** |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct Expenditure* | USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total Mounting Works** |  | USD |
|  |  | **4. Equipment** |  |  |  |  |
| 20 | Market price | Fire extinguisher ОП-5 | units | 3.000 |  |  |
| 21 | Market price | Luminescent fire hydrant and fire-extinguisher indicator | units | 3.000 |  |  |
| 22 | Market price | Boiler v=40 l | units | 1.000 |  |  |
|  |  | **Total**  |  | USD |
|  |  | *Total Direct Expenditure* | USD |  |
|  |  | *Storage costs* | % |  |
|  |  | **Total Equipment** |  | USD |
|  |  | **Total**  | USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer  |
| (title, signature, full name) |

L.S.

***Scope of Work List***

*Interior sewerage system*

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| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. K1 System Installation Works**  |  |  |  |  |
|  | SB05E | Rigid PVC pipe of the light type (u) for sewer, connected by gluing, mounted on the surface or buried under the floor, PVC d-110 mm  | m | 10.000 |  |  |
|  | SB05C | Rigid PVC pipe of light type (u) for sewerage, joined by soldering, apparently mounted or buried under the floor, PVC d-50 mm | m | 8.000 |  |  |
|  | SF04A | Performance of a sealing and functioning test of the sewage installation made of cast iron tubes, for drainage, polyvinyl chloride pipe, rigid, light type or plastic, ductile iron pipe having a diameter up to and inclusive 100 mm | 10 m | 1.800 |  |  |
|  | SC07A | Fully equipped toilet bowl, made of semi-porcelain, sanitary porcelain, etc. including for the persons with disabilities, located laid on the floor, equipped with water tank mounted at height or semi-height, having s-type siphon inside | units | 4.000 |  |  |
|  | SC04C | Washbasin made of semi-porcelain, sanitary porcelain, etc. including for the persons with disabilities, equipped with a plastic drain pipe, mounted on pedestal | units | 5.000 |  |  |
|  | SD04A | Mixer battery with rocker arm for wash basin or washer, regardless of the closing mode, including for the persons with disabilities, having d-1/2" (basin mixer) | units | 5.000 |  |  |
|  | SD04A | Water mixer with a rocker arm for washbasin, regardless of the closing mode, including for the persons with disabilities, having a d-1/2" (sink mixer) | units | 1.000 |  |  |
|  | SB28A | Polypropylene washbasin siphon with 50 mm output diameter (sink siphon) | units | 1.000 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total** |  | USD |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| --- |
| Tenderer  |
| (title, signature, full name)  |

L.S.

***Scope of Work List***

*Ventilation system of the building*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works. Air Conditioners** |  |  |  |  |
| 1 | VC01B | Mounting of centrifugal fans, with a total weight of 50-400 kg, mounted on metal carrier | units | 1.000 |  |  |
| 2 | VC18A | Mounting of special air conditioning unit, modulated, type ACM -5, for mixing, filtration, heating, humidification, cooling, after heating, ventilation, distribution, noise attenuation, having a treated air flow of 3,500 - 12,000 с.m./h. (intake-and-exhaust equipment) | units | 22.000 |  |  |
| 3 | VC18A | Mounting of special air conditioning unit, modulated, type ACM -5, for mixing, filtration, heating, humidification, cooling, after heating, ventilation, distribution, noise attenuation, having a treated air flow of 3.500 - 12.000 c.m./h. (air conditioner outdoor unit) | units | 5.000 |  |  |
| 4 | VC37A | Installation of a utility-type air conditioners (split-system) engine power up to 4.5 kw, from the stairs (air conditioner indoor unit) | units | 9.000 |  |  |
| 5 | VC18A | Mounting of special air conditioning unit, modulated, type ACM -5, for mixing, filtration, heating, humidification, cooling, after heating, ventilation, distribution, noise attenuation, having a treated air flow of 3.500 - 12.000 c.m./h. (air conditioner) | units | 3.000 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct Expenditure* |  USD |  |
|  |  | *Social insurance fund and medicine* | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total Mounting Works Air conditioners** |  | USD |
|  |  | **2. Equipment** |  |  |  |  |
| 6 | Market price | Axial Fan Vents 150 ВКО1 | units | 1.000 |  |  |
| 7 | Market price | Supply and exhaust unit with heat recovery L=30-100m3/h, N=0,4kw, Vents Mikra 100 E1 | units | 22.000 |  |  |
| 8 | Mitsubishi | Air conditioner indoor unit PCA-RP100KAQ Qcold = 10 kW, Qheat = 11.2 kW (K1) | units | 1.000 |  |  |
| 9 | Mitsubishi | Air conditioner outdoor unit SUZ-KA71VA6 Qcold = 9.5 kW, Qheat = 11.2 kW (K1) | units | 1.000 |  |  |
| 10 | Mitsubishi | Air conditioner indoor unit PCA-RP50KAQ Qcold = 5 kW, Qheat = 5,5 kW (K2-K6) | units | 2.000 |  |  |
| 11 | Mitsubishi | Air conditioner outdoor unit UZ-KA50VA6 Qcold = 5.5 kW, Qheat = 6.0 kW (K2 K6) | units | 2.000 |  |  |
| 12 | Mitsubishi | Air conditioner MSZ-HJ50VA / MUZ-HJ50VA Qcold = 5.0 kW, Qheat = 5.4 kW (K3) | units | 1.000 |  |  |
| 13 | Mitsubishi | Air conditioner indoor unit PCA-RP125KAQ Qcold = 12.5 kW, Qheat = 14 kW (K4) | units | 1.000 |  |  |
| 14 | Mitsubishi | Air conditioner outdoor unit PUHZ-P125VKA/YKA Qcold = 12.1 kW, Qheat = 13.5 kW (K4) | units | 1.000 |  |  |
| 15 | Mitsubishi | Air conditioner MSZ-SF25VA3/MUZ-SF25VE Qcold = 2.5 kW, Qheat = 3.2 kW (K8) | units | 2.000 |  |  |
| 16 | Mitsubishi | Air conditioner indoor unit MSZ-HJ25VAA Qcold = 2.5 kW, Qheat = 3.2 kW (K7) | units | 4.000 |  |  |
| 17 | Mitsubishi | Air conditioner indoor unit MSZ-SF50VA3 Qcold = 5 kW, Qheat = 5.4 kW (K7) | units | 1.000 |  |  |
| 18 | Mitsubishi | Air conditioner outdoor unit MXZ-6D122VA2 Qcold = 2.5 kW, Qheat = 3.2 kW (K7) | units | 1.000 |  |  |
|  |  | **Total** |  | **USD** |
|  |  | *Total Direct Expenditure* |  USD |  |
|  |  | *Storage costs* | % |  |
|  |  | **Total Equipment** |  | USD |
|  |  | **3. Ventilation Mounting Works** |  |  |  |  |
| 19 | VA05A | Mounting on site of ALP ventilation tubes, ready-made, with d=100mm, with isolation  | m | 25.000 |  |  |
| 20 | VB15B | Frame with adjustable louvre shutters, ready-made, with a perimeter of 800 - 2500 mm, mounted on the channel. Supply and exhaust hood with round flange MV 202 V Vents | units | 44.000 |  |  |
| 21 | IC33A | Copper pipe, mounted by welding, in distribution channels, in central heating installations, having an external diameter of 6.35 mm | m | 150.000 |  |  |
| 22 | IC33A | Copper pipe, mounted by welding, in distribution channels, in central heating installations, having an external diameter of 9,52 mm | m | 95.000 |  |  |
| 23 | IC33A | Copper pipe, mounted by welding, in distribution channels, in central heating installations, having an external diameter of 12,7 mm | m | 90.000 |  |  |
| 24 | IC33A | Copper pipe, mounted by welding, in distribution channels, in central heating installations, having an external diameter of 15,88 mm | m | 20.000 |  |  |
| 25 | RpIF09D | Isolation of channels with special isolation tubes, placed inside the channels, Armaflex d6x6mm | m | 150.000 |  |  |
| 26 | RpIF09D | Isolation of channels with special isolation tubes, placed inside the channels, Armaflex d10x6mm | m | 95.000 |  |  |
| 27 | RpIF09D | Isolation of channels with special isolation tubes, placed inside the channels, Armaflex d612x6mm | m | 90.000 |  |  |
| 28 | RpIF09D | Isolation of channels with special isolation tubes, placed inside the channels, Armaflex d16x6mm | m | 20.000 |  |  |
| 29 | IC36A | Reinforced high density polyethylene pipe or a polypropylene reinforced or not reinforced pipe, mounted in columns for central heating installations, PPR d-20mm (for drainage purposes) | m | 90.000 |  |  |
| 30 | VC34A | Manufacture and mounting of supporting and anchoring device for the equipment, channels, special parts, etc. of shaped steel, weighing up to 5 kg per piece | kg | 500.000 |  |  |
|  |  | **Total**  |  | **USD** |
|  |  | Total |  |  |  |  |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total Mounting Works Ventilation** |  | USD |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer  |
| (title, signature, full name)  |

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***Scope of Work List***

*Heating system of the building*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works.** |  |  |  |  |
| 1 | IC36A | Reinforced high density polyethylene pipe or a polypropylene reinforced or not reinforced pipe, mounted in columns for central heating installations, PPR with glass fiber d-20mm  | m | 90.000 |  |  |
| 2 | IC36B | Reinforced high density polyethylene pipe or a polypropylene reinforced or not reinforced pipe, mounted in columns for central heating installations, PPR with glass fiber d-25mm  | m | 67.000 |  |  |
| 3 | IC36C | Reinforced high density polyethylene pipe or a polypropylene reinforced or not reinforced pipe, mounted in columns for central heating installations, PPR with glass fiber d-32mm  | m | 51.000 |  |  |
| 4 | IE03A | Performance of a pressure sealing test of the heating installations supply pipes (heaters, thermo convectors, skirting board radiators, etc.) having a d-3/8"... 1" | m | 157.000 |  |  |
| 5 | IE03B | Performance of a pressure sealing test of the heating installations supply pipes (heaters, thermo convectors, skirting board radiators, etc.) having a d-1 1/4"... 2" | m | 51.000 |  |  |
| 6 | RpIF09D | Isolation of channels with special isolation tubes, placed in the channels, Armaflex AF-3-022 (d-12,5-19mm) | m | 70.000 |  |  |
| 7 | RpIF09D | Isolation of channels with special isolation tubes, placed in the channels, Armaflex AF-3-028 (d-12,5-19mm) | m | 67.000 |  |  |
| 8 | RpIF09D | Isolation of channels with special isolation tubes, placed in the channels, Armaflex AF-3-035 (d-12,5-19mm) | m | 51.000 |  |  |
| 9 | IC40D | Clamps for fixing steel channels for central heating or gas installation, mounted by dowels up to 1" inclusive, with expanded dowels, on concrete wall d-20mm | units | 150.000 |  |  |
| 10 | IC40D | Clamps for fixing steel channels for central heating or gas installation, mounted by dowels up to 1" inclusive, with expanded dowels, on concrete wall d-25mm | units | 134.000 |  |  |
| 11 | IC40E | Clamps for fixing steel channels for central heating or gas installation, mounted by dowels up to 1 1/4" - 2", with expanded dowels, on concrete wall d-32mm | units | 102.000 |  |  |
| 12 | IC38A | Connecting element (fitting), with 2 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe, Drainage 90 \* PPRd-20mm | units | 100.000 |  |  |
| 13 | IC38B | Connecting element (fitting), with 2 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe, Drainage 90 \* PPR d-25mm  | units | 30.000 |  |  |
| 14 | IC38C | Connecting element (fitting), with 2 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe, Drainage 90 \* PPR d-32mm | units | 20.000 |  |  |
| 15 | IC38A | Connecting element (fitting), with 2 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe, Drainage 90 \* PPR d-20mm | units | 44.000 |  |  |
| 16 | IC38G | Connecting element (fitting), with 3 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe, Drainage 90 \* PPR d-20mm | units | 10.000 |  |  |
| 17 | IC38H | Connecting element (fitting), with 3 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe. Saddle tee PPR d-25x25x20mm | units | 17.000 |  |  |
| 18 | IC38I | Connecting element (fitting), with 3 joints, polypropylene, connected by polyfusion, with reinforced polypropylene pipe. Saddle tee PPR d-32x32x20mm | units | 11.000 |  |  |
| 19 | ID01B | Bibcock with faucet with a double-control(turn or return) for central heating installations. Ball valve d-25mm | units | 3.000 |  |  |
| 20 | ID01A | Bibcock with faucet, with a double-control(turn or return) for central heating installations. Radiator shutoff cock d-1/2"  | units | 22.000 |  |  |
| 21 | ID01A | Bibcock with faucet, with a double-control(turn or return) for central heating installations. Radiator temperature control valve d-1/2'' | units | 22.000 |  |  |
| 22 | ID01A | Bibcock with faucet, with a double-control(turn or return) for central heating installations. Thermostatic head d-1/2'' | units | 22.000 |  |  |
| 23 | ID01A | Bibcock with faucet, with a double-control (turn or return) for central heating installations. Balancing valve d-1/2'' | units | 3.000 |  |  |
| 24 | ID01A | Bibcock with faucet, with a double-control (turn or return) for central heating installations. Shut-off valve with the drainage d-1/2'' | units | 3.000 |  |  |
| 25 | IB06A | Steel radiators, mono-block with the length up to 1000mm 22K 500/1000 KORADO  | units | 1.000 |  |  |
| 26 | IB06B | Steel radiators, mono-block with the length up to 1001-1500mm 22K 500/1200 KORADO | units | 7.000 |  |  |
| 27 | IB06A | Steel radiators, mono-block with the length up to 1000mm 22K 500/700 KORADO  | units | 1.000 |  |  |
| 28 | IB06A | Steel radiators, mono-block with the length up to 1000mm 22K 500/700 KORADO  | units | 2.000 |  |  |
| 29 | IB06A | Steel radiators, mono-block with the length up to 1000mm 22K 500/800 KORADO  | units | 10.000 |  |  |
| 30 | IB06A | Steel radiators, mono-block with the length up to 1000mm 22K 500/900 KORADO  | units | 1.000 |  |  |
| 31 | RpIC19A | Dismantling of the black pipe, for installations mounted for central heating by welding, used in residential and social and cultural buildings, to connect equipment, distribution columns, etc. having a d-3/8"- 3/4" | m | 135.000 |  |  |
| 32 | RpIC19B | Dismantling of the black pipe, for installations mounted for central heating by welding, used in residential and social and cultural buildings, to connect equipment, distribution columns, etc. having a d-1" -1 1/4" | m | 75.000 |  |  |
| 33 | RpIB11B | Dismantling of the radiator elements to reduce the surface | units | 22.000 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total** |  | **USD** |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer  |
| (title, signature, full name)  |

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***Scope of Work List***

*Electrotechnical works - EEF/IEI*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works.****1.1 Electrical Power Equipment** |  |  |  |  |
| 1 | 08-03-572-4 | Electrical control panel of the cabinet-type or a distribution point (cabinet), wall mounted, BZUM-TF-01-100-12 | units | 1.00 |  |  |
| 2 | 08-03-600-2 | Counters, mounted on prepared stands, three-phased | units | 1.00 |  |  |
| 3 | 08-03-525-2 | Interrupter or package switchboard in metal shell, mounted on installations, on a wall or column, BP32-3P-63 | units | 1.00 |  |  |
| 4 | 08-03-526-1 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, BA47-63/1 / С6А | units | 1.00 |  |  |
| 5 | 08-03-526-2 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, ВА47-63/3/С32A | units | 1.00 |  |  |
| 6 | 08-03-526-2 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, ВА47-63/3/С50A | units | 1.00 |  |  |
| 7 | 08-03-573-4 | Suspended distribution electric service panel, height, width and depth, mm, up to 520х440х120 ЩРв-54 for 54 modules | units | 1.00 |  |  |
| 8 | 08-03-526-2 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, DX40A | units | 1.00 |  |  |
| 9 | 08-03-526-2 | Bipolar automatic circuit breaker mounted on installations, on a wall. Differential breaker 16А 30mA АВДT63M | units | 7.00 |  |  |
| 10 | 08-03-526-2 | Bipolar automatic circuit breaker mounted on installations, on a wall. Differential breaker 10А 30mA АВДT63M | units | 1.00 |  |  |
| 11 | 08-03-526-1 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, BA47-63/1/С10А | units | 3.00 |  |  |
| 12 | 08-03-526-1 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, BA47-63/1/С16А | units | 6.00 |  |  |
| 13 | 08-03-526-1 | Mono -, bi -, tripolar, automatic circuit breaker mounted on installations, on a wall or column, BA47-63/1/С25А | units | 2.00 |  |  |
| 14 | 08-03-529-1 | Contactor КМE0910 | units | 1.00 |  |  |
| 15 | 08-01-080-1 | Relay РТЭ-1304 | units | 1.00 |  |  |
| 16 | 08-01-080-1 | Contact extension device ПКЭ-22 | units | 1.00 |  |  |
| 17 | Market price | DIN rail – 300 | units | 4.00 |  |  |
| 18 | Market price | Clamps for the DIN rail -300 | units | 4.00 |  |  |
| 19 | 504201 | Bus rod N 2x11 | units | 2.00 |  |  |
| 20 | 08-03-602-1 | Heating devices: Electric dryer  ЕР4 | units | 5.00 |  |  |
| 21 | 08-03-525-7 | Header REGINA 16A 250B | set | 25.00 |  |  |
| 22 | 08-03-523-1 | Safety, mounting on an isolated bracket, NH-100 | units | 3.00 |  |  |
| 23 | 08-03-532-4 | Buttons APBB-22n-1-0  | units | 1.00 |  |  |
| 24 | 08-02-148-1 | Cable up to 35 kW in pipes, positioned blocks and switch cases, mass of 1 m up to: 1 kg | 100 m | 7.95 |  |  |
| 25 | 590-4000 | Cable VVGng-FRLS-2\*1.5 | m | 10.00 |  |  |
| 26 | 590-4002 | Cable VVGng-FRLS-3\*1.5 | m | 560.00 |  |  |
| 27 | 590-4003 | Cable VVGng-FRLS-3 \* 2.5 | m | 105.00 |  |  |
| 28 | 590-4006 | Cable VVGng-FRLS-5\*6 | m | 75.00 |  |  |
| 29 | 590-4007 | Cable VVGng-FRLS-5\*10 | m | 40.00 |  |  |
| 30 | 590-4008 | Cable VVGng-FRLS-4\*3.5 | m | 5.00 |  |  |
| 31 | 08-01-087-3 | Metal structures | t | 0.10 |  |  |
| 32 | 08-02-409-1 | Rigid vinyl plastic pipe for the mounted installation, on walls and columns, fixed with clamps with diameter up to 25 mm  | 100 m | 0.55 |  |  |
| 33 | 08-02-472-9 | Grounding conductor, open, on construction supports, round steel, d-20 mm | 100 m | 0.50 |  |  |
| 34 | 08-02-396-6 | Metal gutter L = 3M 50х50х3000 | 100 m | 2.70 |  |  |
| 35 | 08-02-396-6 | Pipeline elbow joint 90\* (90\* elbow) 50х50 | 100 m | 0.10 |  |  |
| 36 | 08-02-364-2 | Wall console | units | 90.00 |  |  |
|  |  | **Total Electrical Power Equipment** |  | USD |
|  |  | **1.2. Electric Illumination** |  |  |  |  |
| 37 | 08-03-573-4 | Suspended distribution electric service panel, height, width and depth, mm, up to 480х300х120 ЩРв-36з | units | 1.00 |  |  |
| 38 | 08-03-525-2 | Interrupter or package switchboard in metal shell, mounted on installation, on a wall or column, 3Р-25 | units | 1.00 |  |  |
| 39 | 08-03-526-1 | Monopolar automatic circuit breaker mounted on installations, on a wall or column, BA47-63-10B | units | 8.00 |  |  |
| 40 | 08-03-526-2 | Bipolar automatic circuit breaker mounted on installations, on a wall. Differential breaker 16А 30mA АВДT63M | units | 3.00 |  |  |
| 41 | 08-03-573-4 | Suspended distribution electric service panel, height, width and depth, mm, up to 480х300х120 ЩРв-36з | units | 1.00 |  |  |
| 42 | 08-03-525-2 | Interrupter or package switchboard in metal shell, mounted on installation, on a wall or column, 3Р-25 | units | 1.00 |  |  |
| 43 | 08-03-526-1 | Monopolar automatic circuit breaker mounted on installations, on a wall or column, BA47-63-10B | units | 12.00 |  |  |
| 44 | 08-03-526-2 | Bipolar automatic circuit breaker mounted on installations, on a wall. Differential breaker 16А 30mA АВДT63M | units | 3.00 |  |  |
| 45 | 08-03-594-1 | Light fixtures with luminescent lamps mounted separately on pivots, FWG201 1x18W | 100 units | 0.02 |  |  |
| 46 | 08-03-594-1 | Light fixtures with luminescent lamps mounted separately on pivots, AOT.OPL UNILED600 1x31W | 100 units | 1.16 |  |  |
| 47 | 08-03-594-1 | Light fixtures with luminescent lamps mounted separately on pivots, Arctic OPL ECO LED 1x47W | 100 units | 0.02 |  |  |
| 48 | 08-03-594-1 | Light fixtures with luminescent lamps mounted separately on pivots, OD LED 1x18W | 100 units | 0.01 |  |  |
| 49 | 08-03-593-10 | Wall flashing indicators, SiraxLED2023-1\*3W  | 100 units | 0.02 |  |  |
| 50 | 08-03-594-1 | Light fixtures with luminescent lamps mounted separately on pivots, C LED 1x13W | 100 units | 0.08 |  |  |
| 51 | 08-03-593-10 | Wall flashing indicators, ELES-SP-03-LED | 100 units | 0.03 |  |  |
| 52 | 08-03-593-10 | Wall flashing indicators Sirax2023-3-LED 3W with a built-in battlry | 100 units | 0.02 |  |  |
| 53 | 08-01-080-1 | Motion sensor MS-39 | units | 2.00 |  |  |
| 54 | 08-03-591-3 | Hermetically-sealed light switch | 100 units | 0.15 |  |  |
| 55 | 08-03-591-3 | Hermetically-sealed light switch (doubled) | 100 units | 0.20 |  |  |
| 56 | 08-03-591-3 | Hermetically-sealed light switch (tumbler switch) | 100 units | 0.03 |  |  |
| 57 | 08-03-591-10 | Hermetically-sealed socket-outlet 220/16A | 100 units | 0.53 |  |  |
| 58 | 08-02-148-1 | Cable up to 35 kW in pipes, positioned blocks and switch cases, mass of 1 m up to: 1 kg | 100 m | 6.10 |  |  |
| 59 | 08-02-401-1 | Cable, clamps fixation, tranches with installation of the pull boxes with 2-4 cables, cable crossection up to 16 mm2 | 100 m | 5.55 |  |  |
| 60 | 590-4002 | Cable VVGng-FRLS-3\*1.5 | m | 570.00 |  |  |
| 61 | 590-4003 | Cable VVGng-FRLS-3 \* 2.5 | m | 330.00 |  |  |
| 62 | 590-4004 | Cable VVGng-FRLS-4\*1.5 | m | 160.00 |  |  |
| 63 | 590-40055 | Cable VVGng-FRLS-4\*2.5 | m | 95.00 |  |  |
| 64 | 590-40044 | Cable VVGng-FRLS-5\*1.5 | m | 10.00 |  |  |
| 65 | 08-01-087-3 | Metal Structures Used For The Equipment | t | 0.20 |  |  |
| 66 | 08-02-397-1 | Perforated mounting shaped metal, К-108 | 100 units | 0.10 |  |  |
| 67 | 2451090 | Switch case У197 | units | 91.00 |  |  |
| 68 | 2451095 | Switch case КОР74 | units | 60.00 |  |  |
| 69 | 08-02-409-1 | Rigid vinyl plastic pipe for the mounted installation, on walls and columns, fixed with clamps with diameter up to 25 mm  | 100 m | 0.10 |  |  |
| 70 | 08-02-396-6 | Metal gutter L = 3M 50х50х3000 | 100 m | 6.00 |  |  |
| 71 | 08-02-396-6 | Pipeline elbow joint 90\* (90\* elbow) 50х50 | 100 m | 0.20 |  |  |
| 72 | 08-02-364-2 | Wall console | units | 200.00 |  |  |
|  |  | **Total Electric Illumination** |  | **USD** |
|  |  | **1.3. Dismantling** |  |  |  |  |
| 73 | RpEF23B | Dismantling of the fluorescent light fixtures of any type with two or more arms or tubes | units | 65.00 |  |  |
| 74 | RpEG17B | Dismantling of electrical panels with metal mask | units | 5.00 |  |  |
|  |  | **Total Dismantling** |  | **USD** |
|  |  | **2. Construction Works** |  |  |  |  |
| 75 | RpCU05G1 | Execution of tranches for channels or anchors in masonry walls of 26 -50 cm thick, for the execution of mechanized trenching (for outlet socket and switch) | units | 120.00 |  |  |
| 76 | RpEJ08B | Execution of tranches up to 5 cm deep in simple concrete walls of 5x50 sq.cm. | m | 50.00 |  |  |
|  |  | **Total Construction Works** |  | **USD** |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct Expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total** |  | USD |
|  |  | **3. Equipment** |  |  |  |  |
| 77 | Company Price | Cabinet BZUM TF-01-100-12 | set | 1.00 |  |  |
| 78 | Company Price | Electric counter ZMG-310CR 30-120A  | units | 1.00 |  |  |
| 79 | Company Price | Light switch ВP32-3P-63 | units | 1.00 |  |  |
| 80 | Company Price | Automatic circuit breaker BA47-63/1/C6A | units | 1.00 |  |  |
| 81 | Company Price | Automatic circuit breaker BA47-63/3/C32A | units | 1.00 |  |  |
| 82 | Company Price | Automatic circuit breaker BA47-63/3/C50A | units | 1.00 |  |  |
| 83 | Company Price | Electric dryer ЕР4 | units | 5.00 |  |  |
| 84 | Company Price | Power block Eaton-1000XL 1.0 kBA | units | 3.00 |  |  |
| 85 | Company Price | Motion sensor MS-39 | units | 2.00 |  |  |
|  |  | **Total Equipment** |  | **USD** |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Storage costs* | % |  |
|  |  | **Total equipment** |  | USD |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer  |
| (title, signature, full name)  |

L.S.

***Scope of Work List***

*Video Surveillance System*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works.** |  |  |  |  |
| 1 | 08-02-412-1 | Inserting channels into pipes and positioned metal fixing : Cable VVGngFRLS-3х1.5 | 100 m | 1.50 |  |  |
| 2 | 590-4002 | Cable VVGng-FRLS-3\*1.5 | m | 165.00 |  |  |
| 3 | 10-01-055-03 | Positioning of cable and channel on the walls: Cable, mass 1 m to 1 kg, on the wall: concrete UTPcat5e | 100 m | 1.50 |  |  |
| 4 | 590-4002 | Cable UTPcat5e  | m | 1.50 |  |  |
| 5 | 10-04-067-22 |  Vidiocamera IPC-HD1200CP (indoor) | units | 2.00 |  |  |
| 6 | 10-01-001-10 | Registrar PoE DH-NV R4216-16P-4KS2 | units | 1.00 |  |  |
| 7 | 10-04-101-07 | Hard disc drive HDDSATA - 4TB SV7- | units | 1.00 |  |  |
| 8 | 10-02-016-02 | Comutator Switch 8 port  | units | 1.00 |  |  |
| 9 | 11-06-001-01 | Monitor LCD 19" | units | 1.00 |  |  |
| 10 | 10-04-066-04 | Connector RJ-45  | units | 2.00 |  |  |
| 11 | 10-06-037-08 | Switch case, size, mm, up to: 110х110х50 IP55 | units | 2.00 |  |  |
| 12 | 10-02-016-06 | UPS (to power IP cameras, switch and registration-server) 1800W, 2000VA, AVR | units | 1.00 |  |  |
| 13 | 10-04-062-05 | Column-type and cabinet equipment: Cabinet 19" 12U | units | 1.00 |  |  |
| 14 | 10-01-038-08 | Cable basement  | m | 50.00 |  |  |
| 15 | 08-02-409-1 | Rigid vinyl plastic pipe for the mounted installations, on walls and columns, fixed with clamps with diameter up to 16 mm  | 100 m | 2.50 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct Expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total Mounting Works** |  | USD |
|  |  | **2. Equipment** |  |  |  |  |
| 16 | Company Price |  Vidiocamera IPC-HD1200CP (indoor) | units | 2.00 |  |  |
| 17 | Price list | Registrar PoE DH-NV R4216-16P-4KS2 | units | 1.00 |  |  |
| 18 | Company Price | Hard disc drive HDD-4Tb 3.5" | units | 1.00 |  |  |
| 19 | Company Price | SWITCH 8 Port Gigabit | units | 1.00 |  |  |
| 20 | Company Price | UPS (to power IP cameras, switch and registration-server) 1800W, 2000VA, AVR | units | 1.00 |  |  |
| 21 | Company Price | Monitor LCD 19" | units | 1.00 |  |  |
| 22 | Company Price | Cabinet 19" 12U | units | 1.00 |  |  |
|  |  | **Total** |  | **USD** |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Storage costs* | % |  |
|  |  | **Total equipment** |  | USD |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

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| Tenderer  |
| (title, signature, full name) |

 L.S.

***Scope of Work List***

*Fire Alarm System*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works.** |  |  |  |  |
| 1 | 10-08-001-04 | “ПС” Device for: 6 Fire alarm panels FP9000L-6 | units | 1.00 |  |  |
| 2 | 10-02-016-06 | Power block РИП | units | 1.00 |  |  |
| 3 | 10-01-039-06 | Battery CB7.0-12 | units | 2.00 |  |  |
| 4 | 10-04-066-05 | Warning buzzer SA-107 | units | 2.00 |  |  |
| 5 | 10-08-002-02 | Smoke sensor ИП212 / 141M | units | 41.00 |  |  |
| 6 | 10-08-002-01 | “ПС” buzzers: electrical contact, thermal, magnetic contact, in regular design, ИПР513 | units | 2.00 |  |  |
| 7 | 10-06-032-01 | Cable measurement: Measurements complex using the constant current of paired cables mounted before and after adjustment in terminal devices | 100 pairs | 0.94 |  |  |
| 8 | 10-04-001-02 | Radio transmitter ATC-100 | compl. | 1.00 |  |  |
| 9 | 08-01-087-3 | Metal structures  | t | 0.001 |  |  |
| 10 | 08-01-080-1 | Relay РПУ-2 | units | 1.00 |  |  |
| 11 | 10-04-066-05 | Warning buzzer HC-103 | units | 1.00 |  |  |
| 12 | 08-02-412-1 | Inserting channels into pipes and positioned metal fixing : Cable LK-FLEX-053/CU2x0.5 | 100 m | 4.00 |  |  |
| 13 | 08-02-412-1 | Inserting channels into pipes and positioned metal fixing : Cable VVGng-FLRS3х1.0 | 100 m | 1.05 |  |  |
| 14 | 08-02-390-1 | Plastic channels with width: up to 22x10mm | 100 m | 1.50 |  |  |
| 15 | 08-02-409-1 | Corrugated vinyl plastic pipe for the installed constructions, on walls and columns, fixing with clamps. with diameter up to d-16 mm | 100 m | 3.50 |  |  |
| 16 |  | Materials | units | 0.00 |  |  |
| 17 | 590-0118 | Cable LK-FLEX-053/CU2x0.5 | m | 400.00 |  |  |
| 18 | 590-4002 | Cable VVGngFRLS-3\*1.0 | m | 105.00 |  |  |
| 19 | Company Price | Cable basement, plastic, 22x10mm | m | 150.00 |  |  |
| 20 | 3470005 | Corrugated PVC pipe d-16mm PV | m | 350.00 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total Direct Expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total Mounting Works** |  | USD |
|  |  | **2. Equipment** |  |  |  |  |
| 21 | Company Price | Panel for 6 zones, FP9000L-6  | units | 1.00 |  |  |
| 22 | Company Price | Fire extinguisher ОУ-4 | units | 2.00 |  |  |
| 23 | Company Price | Power block РИП | units | 1.00 |  |  |
| 24 | Company Price | Battery 12V 7 А/h  | units | 2.00 |  |  |
| 25 | Company Price | Warning buzzer SA-107 | units | 2.00 |  |  |
| 26 | Company Price | Smoke sensor ИП212 / 141M | units | 45.00 |  |  |
| 27 | Company Price | Warning buzzers ИПР513-10 | units | 2.00 |  |  |
| 28 | Company Price | Relay РПУ-2 | units | 1.00 |  |  |
| 29 | Company Price | Radio transmitter ATC-100 | units | 1.00 |  |  |
| 30 | Company Price | Warning buzzer HC-103 (outdoor warning siren) | units | 1.00 |  |  |
|  |  | **Total** |  | **USD** |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Storage costs* | % |  |
|  |  | **Total equipment** |  | USD |
|  |  | **Total**  |  USD |  |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

|  |
| --- |
| Tenderer  |
| (title, signature, full name) |

L.S.

***Scope of Work List***

*Telecommunications System*

|  |
| --- |
| Value-based price **US dollars** |

Date: 26.06.19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Symbol norms and resource code | Works and expenses | M.U. | Quantity according to project data | Estimated cost,  **US dollars** |
| Per measurement unit———- incl. salaries | Total———incl. salaries |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|  |  | **1. Mounting Works.** |  |  |  |  |
| 1 | 10-06-034-23 | Various works: Device for dismantling the cable from the sewer on the wall (including digging and filling), without passing through the wall | 100 units | 0.010 |  |  |
| 2 | 10-07-058-01 | Telecommunications cable connection used in technical and service buildings, cable, capacity: 4х4 | units | 1.000 |  |  |
| 3 | 10-04-066-07 |  Socket-outlet RJ-45  | units | 24.000 |  |  |
| 4 | 10-06-034-05 | Various works: telephone cable lock-up garage (loading and installation), capacity: up to 30х2, plastic cable cover | units | 1.000 |  |  |
| 5 | 10-04-066-04 | Wall equipment: switch case КП1 100х100х70 | units | 6.000 |  |  |
| 6 | 10-01-055-03 | Positioning cable and conductor on walls: Cable UTP 4pair cat5e | 100 m | 8.200 |  |  |
| 7 | 10-04-066-07 | Male plug RJ-45  | units | 48.000 |  |  |
| 8 | 08-02-409-1 | Rigid vinyl plastic pipe for the mounted installations, on walls and columns, fixed with clamps with diameter up to 16 mm  | 100 m | 1.000 |  |  |
| 9 | 08-02-409-1 | Rigid vinyl plastic pipe for the mounted installation, on walls and columns, fixed with clamps with diameter up to 25 mm  | 100 m | 0.200 |  |  |
|  |  | **Total**  |  | USD |
|  |  | Total |  |  |  |  |
|  |  | *Total direct expenditure* |  USD |  |
|  |  | *Social and medical insurance fund*  | % |  |
|  |  | *Transportation* | % |  |
|  |  | *Total* |  |  |
|  |  | *Overhead expenses* | % |  |
|  |  | *Total* |  |  |
|  |  | *Estimated profit* | % |  |
|  |  | **Total mounting works** |  | USD |
|  |  | ***Total VAT excluded: USD*** |

Note*: The tenderer's costs shall include all expenses including: materials and / or equipment, salaries, social payments, indirect expenses*

|  |
| --- |
| Tenderer  |
| (title, signature, full name)  |

L.S.